

# CGA3E2X7R1H103K080AD

TDK Item Description : CGA3E2X7R1H103KT\*\*\*B



Equivalent C1608X7R1H103K for Automotive

## Application & Main Feature

Automotive Grade ( Conductive Epoxy Application )

## Series

CGA3(1608) [EIA CC0603]



## Dimensions

L 1.60mm +/-0.15mm  
 W 0.80mm +/-0.15mm  
 T 0.80mm +/-0.15mm  
 B 0.20mm Min.  
 G 0.30mm Min.

## Temperature Characteristic

X7R (-55 to 125 degC +/-15%)

## Rated Voltage

1H (50Vdc)

## Capacitance

10nF

## Capacitance Tolerance

K (+/-10%)

## Dissipation Factor

3% Max.

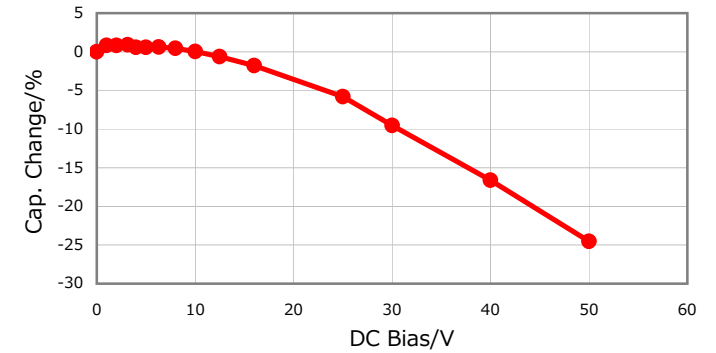
## Insulation Resistance

10Gohm Min.

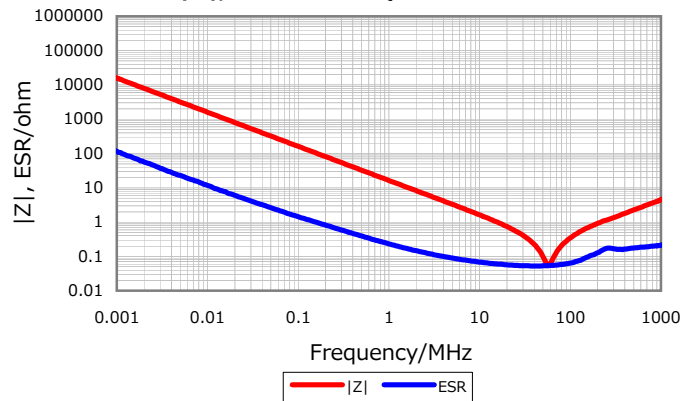
## AEC-Q200

Yes

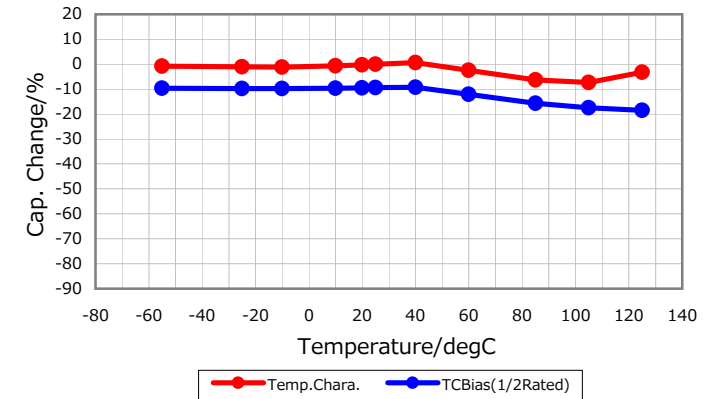
## DC Bias Characteristic



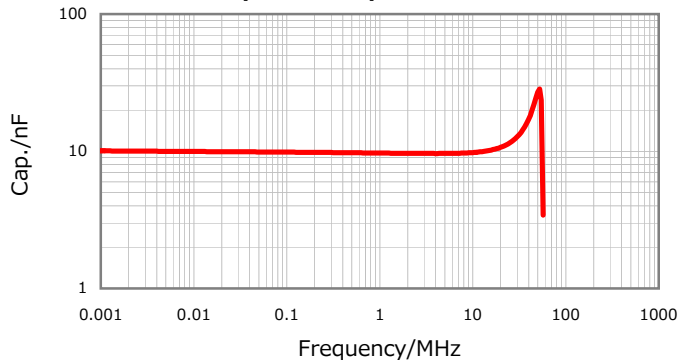
## |Z|, ESR vs. Freq. Characteristics



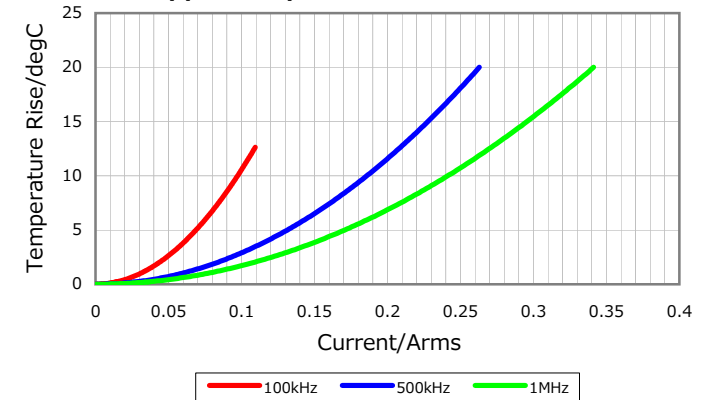
## Temperature Characteristic



## Cap. vs. Freq. Characteristic



## Ripple Temperature Rise Characteristic



Characterization Sheet ( Multilayer Ceramic Chip Capacitors )



All specifications are subject to change without notice.

September 28, 2013

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